HPE ProLiant Compute DL345 Gen12



Что нового?

- Powered by 5th Generation AMD EPYC Processors; Up to 192 cores, 500W. Up to 6 TB DDR5 memory capacity, 5200MT/s.
- Ability to use up to 24 SFF or 36 EDSFF E3.S drives as well an OS boot device and OCP NICs in the front cage.
- Optional front-accessible boot device for quicker access and redesigned intake on front of chassis for optimal airflow and enhanced thermal efficiency.
- Up to four double-width 400W or six single-wide 75W GPUs.
- HPE Integrated Lights-Out 7 (iLO 7) server management software with streamlined manageability through a redesigned GUI, Redfish API, and increased security through patented secure enclave technology.

Обзор

Are you looking for a single-socket scalable server solution to power your virtualized data-intensive, large-capacity memory workloads?

The HPE ProLiant DL345 Gen12 server is a scalable 2U 1P solution that delivers exceptional compute performance and large-capacity storage options at 1P economics. This efficient and workload-optimized solution is ideal for virtualization, SDS, and data management.

Powered by 5th Generation AMD EPYC™ processors with up to 192 cores, increased memory bandwidth (up to 6 TB), high-speed PCIe Gen5 I/O and EDSFF storage, up to 12 LFF/ 26 SFF/ 36 EDSFF, and up to four double-width GPUs at the front, this server is a superb single-socket 2U solution for your data-intensive workloads.

Функции

Next-Level Security, Chip to Cloud

From silicon to software, from factory to cloud, and from generation to generation, HPE ProLiant Compute Gen12 is engineered with a fundamental security approach to defend against increasingly complex threats through an uncompromising commitment to constant security advancements.

Silicon root of trust by HPE, establishes a zero-trust security framework at the silicon level to ensure firmware integrity. Continuous protection detects compromised servers and prevents them from booting if malicious code is found. Edge servers are safeguarded with default IDevID certificates.

HPE ProLiant Compute servers provide automated recovery from a security event, including restoration of validated firmware, and facilitating recovery of operating system, application and data connections, providing the fastest path to bring a server back online and into normal operations.

5th Generation AMD EPYC with Infinity Guard is built-in at the silicon level, offering advanced capabilities required to help defend against internal and external threats to keep your data safe.

HPE iLO 7 supports quantum-resistant (PQC) algorithms and signs HPE ProLiant Compute Gen12 firmware with algorithms approved by CNSA 2.0, which enhances resilience against potential future attacks by quantum computers.

Optimized Performance for your Workloads: Accelerated, Open, and Efficient

The HPE ProLiant Compute DL345 Gen12 server is an efficient, scalable solution optimized for large storage capacity.

Transform your data center and advance your business. The HPE ProLiant Compute DL345 Gen12 server is powered by 5th Generation AMD EPYC 9005 processors that support up to 192 cores and 500W.

Experience advanced data transfer rates and higher network speeds from the PCIe Gen5 serial expansion bus, with up to six PCIe Gen5 and and two front or rear OCP NIC or controller add-in cards slots to improve I/O throughput and reduce latency.

Utilize 24 DIMM slots for up to 6 TB DDR5 memory with increased memory bandwidth and performance.

This server provides air cooling or direct liquid cooling.

Intuitive Cloud Operating Experience: Simple, Self-service, and Automated

HPE ProLiant Compute DL345 Gen12 servers are engineered for your hybrid world. The new HPE ProLiant Compute Gen12 servers simplify the way you control your business's compute—from edge to cloud—with a cloud operating experience.

Transform business operations and pivot your team from reactive to proactive with global visibility and insight through a self-service console.

Automate tasks for efficiency in deployment, instant scalability, and seamless, simplified support and lifecycle management reducing tasks and shortening maintenance windows.

Simplify and secure server management from edge to cloud with HPE Compute Ops Management, an as-a-service compute management experience that delivers greater simplicity, agility, and speed across your distributed compute environment.

Industry-leading Services and Ease of Deployment

The HPE ProLiant Compute DL345 Gen12 server comes with a complete set of HPE Services, delivering confidence, reducing risk, and helping customers realize agility and stability.

HPE Services simplifies the stages of the IT journey. Advisory and transformation services professionals understand your challenges and design an effective solution. Professional services enable rapid deployment of solutions and operational services provide ongoing support.

Services provided under operational services include: HPE Flexible Capacity, HPE Datacenter Care, HPE Infrastructure Automation, HPE Campus Care, HPE Proactive Services, and multi-vendor coverage.

HPE IT investment solutions help you transform into a digital business with IT economics that align with your business goals.

Benefit from real-time operational feedback on server performance plus recommendations for fine-tuning BIOS settings to customize for changing business needs.

Технические характеристики	HPE ProLiant Compute DL345 Gen12
Тип процессора	AMD
Семейство процессоров	5th Generation AMD EPYC™ Processors
Количество ядер процессора	8 to 192 core, depending on processor
Кэш процессора	64 - 512 MB L3, depending on processor
Количество процессоров	1
Быстродействие процессора	5 GHz maximum, depending on processor
Максимальный объем памяти	6.0 TB with 256 GB DDR5
Слоты для памяти	24 DDR5 DIMM slots
Тип памяти	HPE DDR5 Smart Memory
Функции защиты памяти	On-Die ECC (Error Correction Code) designed to correct bit errors within the DRAM
Поддерживаемый накопитель	Up to 12 LFF SAS/SATA, 24 SFF SAS/SATA/NVMe, or 36 EDSFF NVMe at the front Up to 2 SFF SAS/SATA/NVMe at the rear depending on model
Оптический привод	Optional DVD-ROM Optional via Universal Media Bay External support only
Защита на физическом уровне	Dual locking bezel with high-security Medeco locks and tamper-evident enclosure seals TPM 2.0, Silicon Root of Trust, Secure Boot, optional configuration lock, optional data-at-rest hardware encryption, optional Secure Erase, lockable bezel
Управление инфраструктурой	Included - HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) Optional - HPE iLO Advanced, HPE iLO Advanced Premium Security Edition and HPE OneView Advanced
Блок питания	Up to 2 HPE Modular Common Redundant (M-CRPS) Power Supplies, wattage depending on model
Слоты расширения	Up to 6 PCIe Gen5 slots (x16 lanes/each) & 2 OCP3.0 slots (x16 lanes/each)
Сетевой контроллер	Optional - Minimum 1 to be selected. Wide range of speeds, cabling, chipsets and form factors (PCIe stand-up adapter and OCP3.0 in rear/front). See QuickSpecs for network card choices.
Контроллер хранилища	Optional - HPE ProLiant Compute Smart Array Gen12 Storage Controller in variety of protocols - including NVMe, port count, array utilities, and form factors (PCIe stand-up adapter and OCP3.0). Optional - HPE ProLiant Compute Gen12 OS boot device, in rear or front accessible or internal. See QuickSpecs for storage controllers selection.
Функции системных вентиляторов	7 fans included, standard fan or performance fan
Форм-фактор	2U Rack

Технические характеристики	HPE ProLiant Compute DL345 Gen12
Гарантия	3/3/3: Server Warranty includes three years of parts, three years of labor, and three years of on-site support coverage. Additional HPE support and service coverage, to supplement the product warranty, is available. For more information, visit https://www.hpe.com/support
Ускорители	Up to 4 double-width 400W or 6 single-width 75W GPUs

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

Для получения дополнительной технической информации, доступных моделей и опций обратитесь к QuickSpecs

Visit HPE.com

Чат

© Hewlett Packard Enterprise Development LP, 2026 г. Информация в настоящем документе может быть изменена без предварительного уведомления. Гарантийные обязательства для продуктов и услуг Hewlett Packard Enterprise приведены только в условиях явной гарантии, прилагаемой к каждому продукту и услуге. Никакие сведения в данном документе не могут рассматриваться как дополнительные гарантийные обязательства. Hewlett Packard Enterprise не несет ответственности за технические или редакторские ошибки и упущения в данном документе.

Компоненты и материалы: Компания HPE предоставит запасные части и материалы, поддерживаемые HPE, которые требуются для обслуживания оборудования по договору.

Данная услуга не подразумевает предоставление, ремонт или замену деталей и компонентов, которые достигли своего максимального срока службы и (или) лимита использования (согласно данным руководства по эксплуатации, кратким техническим руководствам или технической документации, предоставленной производителем).

AMD is a trademark of Advanced Micro Devices, Inc. ENERGY STAR is a registered mark owned by the U.S. government. All third-party marks are property of their respective owners.

Изображение может отличаться от реального изделия.

PSN1014896097BYRU, апреля, 2026.

HEWLETT PACKARD ENTERPRISE

hpe.com